

JAN 17 1982

*Cement, Strain Gauge*  
*DPM 1093 + -1*  
*Series*

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>BLH ELECTRONICS, INC.</b>		EMERGENCY TELEPHONE NO. <b>(617) 890-6700</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>42 Fourth Avenue, Waltham, Massachusetts 02154</b>		
CHEMICAL NAME AND SYNONYMS <b>SR-4 Cement</b>		TRADE NAME AND SYNONYMS
CHEMICAL FAMILY <b>n.a.</b>	FORMULA <b>n.a.</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
<del>VEHICLE</del> Approx.		PPM	METALLIC COATINGS		
SOLVENTS Aliphatic Ester	9	150	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Aliphatic Ketone	62	1000	OTHERS		
OTHERS Aliphatic Alcohol	7	1000			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
20 NITRO-CELLULOSE lacquer grade				20	
Camphor				10	
Methyl ethyl ketone (MEK)				70	
Contains allyl isothiocyanate (oil of mustard) less than				1	Unkn.

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.) Approx. Range	131-266	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.888
VAPOR PRESSURE (mm Hg.) Principle Solvent	400	PERCENT VOLATILE BY VOLUME (%)	87.5
VAPOR DENSITY (AIR=1) Principle Solvent	2.0	EVAPORATION RATE (—ether— =1) greater than 1	
SOLUBILITY IN WATER			
APPEARANCE AND ODOR	Colorless viscous liquid; strong solvent odor (irritating)		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Less than 20°F. (T.O.C.)	FLAMMABLE LIMITS Approx.	Lel 1.7	Uel 19.0
EXTINGUISHING MEDIA	foam, carbon dioxide, dry chemical		
SPECIAL FIRE FIGHTING PROCEDURES	n.a.		

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SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	See Section II
EFFECTS OF OVEREXPOSURE	Headache, nausea, impairment of reaction time and coordination
EMERGENCY AND FIRST AID PROCEDURES	
Inhalation - move to fresh air - vapors irritating	
Skin contact - wash with soap and water	
Eye contact - flush with water for at least 15 minutes; call a physician	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	N.A.
INCOMPATIBILITY (Materials to avoid)			
None reasonably foreseeable			
HAZARDOUS DECOMPOSITION PRODUCTS			
carbon monoxide, carbon dioxide, smoke and oxides of nitrogen			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N.A.

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Avoid prolonged contact with skin and breathing of vapor.	
Let the solvent evaporate and clean up the residual solids.	
Remove sources of ignition.	
WASTE DISPOSAL METHOD	
Wipe up and burn rags. Disposal method must comply with local State and Federal Regulations.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) Adequate ventilation, and in confined areas, use Bureau of Mines approved masks.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
Provide sufficient ventilation to keep below given TLV & LEL		Remove sources of ignition n.a.
PROTECTIVE GLOVES	Use for prolonged and repeated contact	EYE PROTECTION
		Safety eyewear to prevent Splashes
OTHER PROTECTIVE EQUIPMENT		
Use appropriate industrial hygiene practices.		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Keep away from heat, sparks and open flame, close container after each use.	
Do not breathe vapors	
OTHER PRECAUTIONS	
Wash thoroughly after handling and before eating or smoking.	
Observe label precautions	